

# Formulation of Herbal Mosquito Repellent From Essential Oil Extracted Form Citrus Sinensis (Orange)

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**Abstract:** *One of the infectious diseases that still poses a health risk to the society is malaria. Malaria is spread by insects called Anopheles sp. brought on by parasitic plasmodium sp. Owing to their high citric acid concentration, oranges have a sour flavor and a crisp scent. Orange peel essential oils are generally suitable for use as deodorizers with anti-mosquito spray. Due to their dislike of perfumes, mosquitoes can be sent away by orange peels. Oil-soluble (lipophilic) gologan organic molecules called terpenes and terpenoids are found in essential oils. With changes in active components infusion of orange peel F1 (20%), F2 (40%), this study intends to determine the usage of citrus peel waste into mosquito repellent spray compositions as an alternative to malaria prophylaxis.*

**Keywords:** Citrus sinensis, anti-malaria, peppermint, Soxhlet extraction